

YORK RIVER BASIN

01673638 COHOKE MILL CREEK NEAR LESTER MANOR, VA

LOCATION.--Lat 37°37'36", long 76°57'46", King William County, Hydrologic unit 02080106, on right bank at downstream side of culvert on State Highway 626, 3.2 mi northeast of Lester Manor and 4.7 mi above mouth.

DRAINAGE AREA.--9.07 mi².

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water stage recorder. Elevation of gage is 40 ft above sea level, from topographic map.

REMARKS.--Records poor due to backwater from beaver dams.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37 ft³/s, Aug. 25, gage height, 5.54 ft; minimum discharge, 1.5 ft³/s, June 26, 27.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	4.2	3.1	4.2	e12	7.9	6.9	6.9	6.9	9.0	11	9.7
2	5.2	6.7	2.9	3.7	e9.7	7.8	6.4	5.6	6.0	6.2	9.8	10
3	4.3	8.3	2.8	3.8	e8.9	7.3	7.6	5.4	4.8	5.0	15	27
4	3.9	5.0	2.9	5.5	e8.6	6.9	7.4	5.1	3.9	4.3	20	19
5	3.8	4.3	2.8	11	e8.3	6.7	6.5	5.1	3.8	3.5	14	12
6	3.7	3.9	3.8	7.5	e8.0	6.5	5.9	4.6	12	3.5	9.8	10
7	3.1	4.1	3.9	5.9	e7.7	6.1	5.7	4.3	12	2.9	8.5	8.8
8	3.0	4.1	3.7	4.8	e8.2	5.7	6.5	3.9	7.8	2.5	7.4	8.2
9	3.4	3.9	2.7	4.5	e7.8	5.7	16	3.7	5.7	2.3	6.6	7.6
10	4.1	4.0	3.1	8.7	e7.3	5.5	8.9	3.3	4.0	2.2	5.7	7.3
11	4.6	4.0	3.1	10	e7.1	5.6	6.7	3.4	3.2	2.9	5.5	6.4
12	4.3	4.1	3.0	7.5	e7.0	8.4	5.9	3.6	3.1	3.7	5.0	6.3
13	3.9	4.5	3.0	6.1	e7.2	7.2	5.3	3.6	5.1	3.0	4.6	6.2
14	4.3	4.8	12	5.5	e7.5	6.4	5.6	3.2	5.4	2.7	11	6.1
15	4.8	4.5	12	4.8	e6.8	6.7	9.4	3.1	6.0	14	8.3	13
16	4.7	4.1	7.0	5.0	e6.4	6.9	11	3.0	5.9	13	5.9	8.3
17	6.8	4.0	5.0	4.8	e6.0	15	9.4	3.0	4.8	13	4.4	6.5
18	12	4.2	4.1	4.6	15	9.8	25	3.0	6.2	8.1	10	5.8
19	7.3	3.8	3.8	4.6	18	8.3	15	5.6	7.5	6.6	9.6	6.8
20	11	3.7	4.1	5.8	12	8.0	11	23	6.7	12	6.2	7.2
21	13	4.2	4.8	6.0	10	18	9.4	14	5.1	8.6	4.8	6.5
22	8.0	4.2	6.0	5.0	9.4	17	9.1	21	4.2	6.6	3.8	5.6
23	5.4	4.0	5.6	4.8	9.1	12	8.0	15	3.1	5.6	3.3	5.5
24	4.3	4.0	5.0	e4.6	8.8	9.6	7.1	9.7	2.5	7.8	8.4	5.9
25	3.8	4.3	4.6	e4.8	8.2	8.8	11	7.7	1.8	8.7	20	13
26	3.1	4.7	4.6	e5.0	7.9	7.7	11	6.4	1.9	13	8.2	26
27	3.6	9.3	4.4	e5.3	8.0	8.3	9.7	5.8	2.4	12	8.7	14
28	3.4	6.3	4.5	e5.6	10	15	9.5	7.6	11	9.1	14	9.6
29	3.3	4.1	4.4	e5.9	8.7	10	8.3	12	25	9.2	8.4	8.0
30	3.6	3.5	4.5	11	---	8.7	7.3	12	14	10	7.2	7.1
31	4.0	--	4.4	20	---	7.7	---	8.6	---	15	9.3	--
TOTAL	161.5	138.8	141.6	196.3	259.6	271.2	272.5	222.2	191.8	226.0	274.4	293.4
MEAN	5.21	4.63	4.57	6.33	8.95	8.75	9.08	7.17	6.39	7.29	8.85	9.78
MAX	13	9.3	12	20	18	18	25	23	25	15	20	27
MIN	3.0	3.5	2.7	3.7	6.0	5.5	5.3	3.0	1.8	2.2	3.3	5.5
CFSM	.57	.51	.50	.70	.99	.96	1.00	.79	.70	.80	.98	1.08
IN.	.66	.57	.58	.81	1.06	1.11	1.12	.91	.79	.93	1.13	1.20

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.45	4.33	5.68	8.56	7.31	10.9	7.53	5.31	3.88	4.23	4.53	15.0
MAX	5.21	4.63	6.79	10.8	8.95	13.0	9.08	7.17	6.39	7.29	8.85	20.2
(WY)	2000	2000	1999	1999	2000	1999	2000	2000	2000	2000	2000	1999
MIN	1.68	4.03	4.57	6.33	5.61	8.75	5.97	3.46	1.36	1.16	.21	9.78
(WY)	1999	1999	2000	2000	1999	2000	1999	1999	1999	1999	1999	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1999 - 2000
ANNUAL TOTAL	2311.90	2649.3	
ANNUAL MEAN	6.33	7.24	
HIGHEST ANNUAL MEAN			6.71
LOWEST ANNUAL MEAN			7.24
HIGHEST DAILY MEAN	415 Sep 16	27 Sep 3	415 Sep 16 1999
LOWEST DAILY MEAN	.01 Aug 12	1.8 Jun 25	.01 Aug 12 1999
ANNUAL SEVEN-DAY MINIMUM	.03 Aug 8	2.8 Jul 8	.03 Aug 8 1999
INSTANTANEOUS PEAK FLOW		37 Aug 25	1430 Sep 16 1999
INSTANTANEOUS PEAK STAGE		5.54 Aug 25	a10.30 Sep 16 1999
INSTANTANEOUS LOW FLOW		1.5 bJun 26	.01 cAug 11 1999
ANNUAL RUNOFF (CFSM)	.70	.80	.74
ANNUAL RUNOFF (INCHES)	9.48	10.87	10.05
10 PERCENT EXCEEDS	11	12	11
50 PERCENT EXCEEDS	4.1	6.2	5.2
90 PERCENT EXCEEDS	.44	3.4	1.2

a From floodmarks.

b Also June 27, 2000.

c Also Aug. 12, 1999.

e Estimated.

